

ANSWER 10 OF 10 BIOTECHDS COPYRIGHT 1998 DERWENT INFORMATION LTD

AN 91-11280 BIOTECHDS  
TI New **bispecific** hybrid monoclonal antibody;  
human **cancer** cell e.g. human transferrin receptor and  
cytostatic **prodrug**-activating **enzyme** e.g.  
urokinase or beta-glucuronidase **bispecific** antibody  
production from tetratoma  
PA Takeda-Chem.  
PI WO 9109134 27 Jun 1991  
AI WO 90-JP1631 14 Dec 1990  
PRAI JP 90-301608 6 Nov 1990; JP 89-326545 15 Dec 1989  
DT Patent  
LA English  
OS WPI: 91-208160 [28]  
AB The following are new: a **bispecific** antibody specific for  
a human **cancer** cell (e.g. against human transferrin  
receptor) and a **prodrug**-activating **enzyme**, e.g.  
urokinase (EC-3.4.21.31) or beta-glucuronidase (EC-3.2.1.31) (which  
may convert an inactive glucuronidated cytostatic drug into an  
active compound, e.g. adriamycin (doxorubicin), cisplatin,  
melphalan, methotrexate, mitomycin-C, vincristine, puromycin,  
phenylenediamine mustard, ansamitocin or TAN-1120); a polydoma  
producing the antibody; a tetratoma which is the fusion product of  
hybridoma 22C6 (producing an anti-human **cancer** antibody)  
and hybridoma UK-1-6 (producing an anti-urokinase antibody),  
producing the **bispecific** antibody; and a protein complex  
comprising the **bispecific** antibody and a coupled  
**prodrug**-activating **enzyme**. Mouse tetratoma  
UTF20-7 (FERM BP-3156) is specifically claimed. The  
**bispecific** antibody may be produced in vitro in liquid  
culture medium, or in vivo in ascites fluid. The  
**bispecific** antibody, **prodrug** and **enzyme**  
may be administered to **cancer** patients to produce  
selective cytostatic activity on **cancer** cells, regardless  
of their diversity. (56pp)

=> d his

(FILE 'HOME' ENTERED AT 08:36:56 ON 24 FEB 1998)

INDEX 'AGRICOLA, AIDSLINE, ANABSTR, AQUASCI, BIOBUSINESS, BIOSIS,  
BIOTECHABS, BIOTECHDS, CABA, CANCERLIT, CAPLUS, CEABA, CEN, CIN,  
CJACS, CJELSEVIER, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE,  
DISSABS, DRUGB, DRUGLAUNCH, DRUGNL, DRUGU, EMBAL, EMBASE, ...'  
ENTERED AT 08:37:40 ON 24 FEB 1998

SEA BISPECIFIC AND (CANCER OR TUMOR OR TUMOUR) AND ENZYME

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1 FILE AIDSLINE  
2 FILE BIOBUSINESS  
13 FILE BIOSIS  
18 FILE BIOTECHABS  
18 FILE BIOTECHDS  
29 FILE CANCERLIT  
11 FILE CAPLUS  
1 FILE CEABA  
1 FILE CEN  
17 FILE CJACS  
2 FILE DDFU  
4 FILE DISSABS

2 FILE DRUGU  
30 FILE EMBASE  
1 FILE IFIPAT  
2 FILE JICST-EPLUS  
2 FILE LIFESCI  
24 FILE MEDLINE  
2 FILE PROMT  
17 FILE SCISEARCH  
6 FILE TOXLINE  
4 FILE TOXLIT  
144 FILE USPATFULL  
5 FILE WPIDS  
5 FILE WPINDEX  
L1 QUE BISPECIFIC AND (CANCER OR TUMOR OR TUMOUR) AND ENZYME  
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SEA L1 AND PREDRUG AND (THERAP? OR TREAT?)  
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L2 QUE L1 AND PREDRUG AND (THERAP? OR TREAT?)  
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1 FILE AIDSLINE  
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14 FILE BIOTECHABS  
14 FILE BIOTECHDS  
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5 FILE CAPLUS  
1 FILE CEN  
15 FILE CJACS  
22 FILE EMBASE  
1 FILE IFIPAT  
1 FILE LIFESCI  
18 FILE MEDLINE  
2 FILE PROMT  
10 FILE SCISEARCH  
6 FILE TOXLINE  
2 FILE TOXLIT  
140 FILE USPATFULL  
4 FILE WPIDS  
4 FILE WPINDEX  
L3 QUE L1 AND (THERAP? OR TREAT?)  
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SEA L3 AND PRODRUG  
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1 FILE BIOSIS  
3 FILE BIOTECHABS  
3 FILE BIOTECHDS  
1 FILE CANCERLIT  
3 FILE CAPLUS  
2 FILE CJACS  
4 FILE EMBASE  
1 FILE MEDLINE  
1 FILE PROMT  
3 FILE SCISEARCH  
1 FILE TOXLINE  
2 FILE TOXLIT  
9 FILE USPATFULL  
1 FILE WPIDS  
1 FILE WPINDEX  
L4 QUE L3 AND PRODRUG  
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FILE 'USPATFULL, EMBASE, BIOTECHDS, CAPLUS, SCISEARCH, CJACS,  
TOXLIT, BIOSIS, CANCERLIT, MEDLINE, PROMT, TOXLINE, WPIDS' ENTERED  
AT 08:56:53 ON 24 FEB 1998

L5            32 S L3 AND PRODRUG  
L6            24 DUP REM L5- (8 DUPLICATES REMOVED)  
L7            12 S L5 AND ENZYME(25W)BISPECIFIC  
L8            10 DUP REM L7 (2 DUPLICATES REMOVED)